

Docket No.: FRANK
Appl. No.: 10/540,281

**AMENDMENTS TO THE CLAIMS WITH MARKINGS TO SHOW CHANGES
MADE, AND LISTING OF ALL CLAIMS WITH PROPER IDENTIFIERS**

1. (Currently amended) ~~Electric~~ An electric machine, comprising: with
a rotor rotatable about a rotation axis, the rotor comprising a winding to
be cooled to a low temperature[.]; ~~which is surrounded by~~
a securing means surrounding the winding and having with a tape
binding wrap, characterized in that wherein the ~~tape binding (13, 15) wrap~~ of
the securing means (12) has, as viewed in the axial direction, an outside
contour that widens from a smaller outside diameter (D_1 , D_1') to a greater
outside diameter (D_2)[.]; and that
several sequentially arranged securing rings in force-fitting surrounding
relationship to the tape binding is surrounded by wrap, wherein the several
sequentially arranged friction-locked securing rings (14i) with have each an
inside diameter which is ~~adapted to the corresponding~~ conforms to the
outside diameter of the outside contour of the wrap at a corresponding axial
position of the securing ring.
2. (Currently amended) The electric machine according to claim 1,
~~characterized in that wherein~~ the rotor (5) has a pole core for receiving the
winding (10).
3. (Currently amended) The electric machine according to claim 1 ~~or 2~~,
~~characterized in that wherein~~ the ~~tape binding (13, 15) wrap~~ is a wound from
a fiber-reinforced plastic band.
4. (Currently amended) The electric machine according to claim 3,
~~characterized in that further comprising~~ a hardenable plastic material is
provided in addition to the ~~tape binding (13, 15) wrap~~.

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5. (Currently amended) The electric machine according to ~~one of the preceding~~ claims claim 1, ~~characterized in that wherein~~ the securing rings (14) are made of a fiber-reinforced plastic material ~~or a metal~~.
6. (Currently amended) The electric machine according to ~~one of the preceding~~ claims claim 1, ~~characterized in that wherein~~ the outside contour of the tape binding (15) wrap has the shape of a double cone with an outside diameter that is tapered towards ~~the corresponding~~ respective sides of the rotor.
7. (Currently amended) The electric machine according to ~~one of the preceding~~ claims claim 1, ~~characterized in that wherein~~ the winding (10) ~~that is cooled to a low temperature comprises~~ contains a High-T_c superconductor material.
8. (Currently amended) The electric machine according to claim 7, ~~characterized in that wherein~~ the winding (10) is to be kept maintained at a temperature below 77 K.
9. (New) The electric machine of claim 1, wherein the winding is a superconducting winding.
10. (New) The electric machine according to claim 1, wherein the securing rings are made of metal.